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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-678

Application or Order Number 2

10692578

APPLICATION AS FILED - PART I

(Column 1)

(Column 2)

SMALL ENTITY

OR

OTHER THAN
SMALL ENTITY

| FOR | NUMBER FILED | NUMBER EXTRA |
|--|--|--------------|
| BASIC FEE (37 CFR 1.16(a), (b), or (c)) | | |
| SEARCH FEE (37 CFR 1.16(a), (b), or (c)) | | |
| EXAMINATION FEE (37 CFR 1.16(a), (b), or (c)) | | |
| TOTAL CLAIMS (37 CFR 1.16(i)) | minus 20 * | |
| INDEPENDENT CLAIMS (37 CFR 1.16(h)) | minus 3 * | |
| APPLICATION SIZE FEE (37 CFR 1.16(i)) | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(i) | |
| MULTIPLE DEPENDENT CLAIMS (37 CFR 1.16(j)) | | |

| RATE (1) | FEE (1) |
|----------|---------|
| 1.50 | |
| | |
| 25 | |
| 100 | |
| | |
| | |
| | |
| | |
| | |

| RATE (\$) | FEE (\$) |
|-----------|----------|
| 300 | |
| * 50 * | |
| * 200 * | |
| <u>1</u> | |
| TOTAL | |

* If the difference in column 1 is less than zero, enter '0' in column 2.

APPLICATION AS AMENDED - PART II

(L 01/11/11, 1)

(Columbo ?)

(Continued)

SMALL ENTIRE

OTHER THAN
SMALL ENTITY

| AMENDMENT A | 7-3-06 | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA |
|--|--------|---|---|------------------|
| Total (137 CFA + 164 M) | 11 | 164 M | 24 | 1 |
| Independent (137 CFA + 164 M) | 5 | 164 M | 5 | 1 |
| Applicable Size Factor: (CFA + 164 M) | | | | |
| FIRST PRESENTED UNDER NEW TABLE FOR DEPENDENT CLAIMS (137 CFA + 164 M) | | | | |

| RATE (\$) | ACUM TERRAIN FEE (\$) |
|-----------|-----------------------------|
| 25 | |
| 100 | |
| | |
| | |
| TOTAL | |

| | RATE (\$) | ADDITIONAL FEE (\$) |
|-----|-----------|---------------------|
| 1st | 50 | / |
| 2nd | 20 | |
| | | |
| | | |

1, 4, 5, 6, 24

| AMENDMENT B | 1. NUMBER | 2. CLAIMS | 3. HIGHEST | 4. PRESENT |
|---|-----------|-------------------------------|----------------------------|------------|
| | | REMAINING AFTER AMENDMENT 121 | NUMBER PREVIOUSLY PAID FOR | STATUS |
| Total | | | | |
| Independent | | | | |
| Interdependent | | | | |
| Application Size Fee (2% of P. 1 fee) | | | | |
| FIRST PRESENTATION OF AMENDMENT 121 IN PAID FOR CLASS | | | | |

| | |
|----------|----------|
| 02.01.15 | 02.01.15 |
| | |
| | |
| | |
| | |

[illegible]

* If the entire sample is used, the test will be more adequately powered to detect a difference in the frequency of the two alleles. In fact, Stiefel says that the power of the test is 100% if the entire sample is used. The FDR of 0.05 is less than the 0.01 threshold for the highest threshold for controlling the false discovery rate, independent of the number of tests.

[illegible]